

EXPRESS MAIL LABEL NO. EV 012823698 US

FORM PTO - 1449

INFORMATION DISCLOSURE  
STATEMENT

ATTORNEY DOCKET NO.: EXT-070C1

APPLICANTS: Weir et al.

SERIAL NO.: Continuation of 09/513,381

FILING DATE: December 6, 2001 GROUP: Not yet Assigned

JC675 U.S. PTO

10/021237

12/06/01

## U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
B11	A1	4,829,098	05/09/89	Hoffman, et al.	522	5	
	A2	5,006,473	04/09/91	Bouma, et al.	436	516	
	A3	5,034,428	07/23/91	Hoffman, et al.	522	5	
	A4	5,176,966	01/05/93	Epp, et al.	429	26	
	A5	5,215,882	06/01/93	Bahl, et al.	435	6	
	A6	5,310,650	05/10/94	McMahon, et al.	435	6	
	A7	5,346,672	09/94	Stapleton et al.	422	102	
	A8	5,453,382	9/26/95	Novotny, et al.	436	178	
	A9	5,482,836	01/09/96	Cantor, et al.	435	6	
	A10	5,482,863	01/09/96	Knobel	436	54	
	A11	5,518,900	05/21/96	Nikiforov, et al.	435	91.1	
	A12	5,632,957	5/27/97	Heller, et al.	422	68.1	
	A13	5,640,287	03/11/97	Nikiforov, et al.	635	24.3	
	A14	5,641,658	06/24/97	Adams, et al.	435	91.2	
	A15	5,679,524	10/21/97	Nikiforov, et al.	435	6	
	A16	5,741,639	04/21/98	Ensing, et al.	435	6	
	A17	5,762,876	06/09/98	Lincoln, et al.	422	67	
	A18	5,874,213	02/99	Cummins et al.	435	6	
	A19	5,932,711	08/03/99	Boles, et al.	536	22.1	
B26	A20	6,238,624	05/01	Heller et al.	422	68.1	
EXAMINER B. L. Lison				DATE CONSIDERED 11-15-2003			

FORM PTO - 1449				ATTORNEY DOCKET NO.: EXT-070C1					
INFORMATION DISCLOSURE STATEMENT				APPLICANTS: Weir et al.					
				SERIAL NO.: Continuation of 09/513,381					
				FILING DATE: December 6, 2001 GROUP: <sup>1634</sup> Not yet Assigned					
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
B18	B1	WO 90/07582	12/07/90	PCT					
	B2	WO 91/08307	13/06/91	PCT					
	B3	WO 92/15712	17/09/92	PCT					
	B4	WO 94/16108	21/07/94	PCT					
	B5	WO 97/27327	31/07/97	PCT					
	B6	WO 97/35033	25/09/97	PCT					
	B7	WO 97/41256	06/11/97	PCT					
	B8	WO 97/45554	04/12/97	PCT					
	B9	WO 97/45721	04/12/97	PCT					
	B10	WO 98/51823	19/11/98	PCT					
	B11	0 671 626 A1	13/09/95	EPO					
	B12	0 703 296 A1	27/03/96	EPO					
	B13	0 776 700 A1	04/06/97	EPO					
	B14	19702907 A1	30/07/98	Germany					
B18	B15	19751968 A1	29/07/99	Germany					
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
B18	C1	Adams, Christopher P. "Acrydite Gel Protocol," <i>Mosaic Technologies</i> (1998)							
	C2	Baba, Y., et al., "Base-specific separation of oligodeoxynucleotides by capillary affinity gel electrophoresis," <i>Electrophoresis</i> 19:433-436 (1998).							
	C3	Bartel, D.P., et al., "HIV-1 Rev Regulation Involves Recognition of Non-Watson-Crick Base Pairs in Viral RNA," <i>Cell</i> , 67: 529-536 (1991).							
B18	C4	Biagioni, S., et al., "A New Method for the Preparation of DNA-Cellulose," <i>Analytical Biochemistry</i> , 89:616-619 (1978).							
EXAMINER B.L. Lison					DATE CONSIDERED 11-15-03				

FORM PTO - 1449		ATTORNEY DOCKET NO.: EXT-070C1
INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Weir et al.
		SERIAL NO.: Continuation of 09/513,381
		FILING DATE: December 6, 2001 GROUP: <sup>1634</sup> Not yet Assigned
B2f	C5	Bock, L.C., et al., "Selection of single-stranded DNA molecules that bind and inhibit human thrombin," <i>Nature</i> , 355:564-566 (1992).
	C6	Botchkarev, V.A., et al., "Neurotrophin-3 Involvement in the Regulation of Hair Follicle Morphogenesis," <i>J. Inv. Dermatology</i> , 111 (2):279-285 (1998).
	C7	Ellington, A.D. and Szostak, J.W., "In vitro selection of RNA molecules that bind specific ligands," <i>Nature</i> , 346:818-822 (1990).
	C8	Famulok, M., "Molecular Recognition of Amino Acids by RNA-Aptamers: An L-Citrulline Binding RNA Motif and Its Evolution into an L-Arginine Binder," <i>J. Am. Chem. Soc.</i> , 116:1698-1706 (1994).
	C9	Giver, L., et al., "Selection and Design of High-Affinity RNA Ligands for HIV-1 Rev," <i>Gene</i> , 137:19-24 (1993).
	C10	"Hybrid Detect Gene Variant Comprise Immobilise Nucleic Acid Probe Electrophoresis Carry Transfer Nucleic Acid Simple Carry" <i>Database WPI, Section CH</i> , Week 9115, (Dewent Publications Ltd., London, GB) JP 03047097A (Hitachi LTD).
	C11	Igloi, G.L., "Variability in the stability of DNA-peptide nucleic acid (PNA) single-base mismatched duplexes: Real-time hybridization during affinity electrophoresis in PNA-containing gels, <i>Proc. Natl. Acad. Sci USA</i> , 95:8562-8567 (1998).
	C12	Iyer, M., et al., "Accelerated Hybridization of Oligonucleotides to Duplex DNA," <i>J. Biol. Chem.</i> , 270: (24): 14712-14717 (1995).
	C13	Jarrett, H.W., "Affinity chromatography with nucleic acid polymers," <i>J. Chromatography</i> , 618: 315-339 (1993).
	C14	Jenison, R.D., et al., "High-Resolution Molecular Discrimination by RNA," <i>Science</i> , 263:1425-1428 91994).
	C15	Joyce, G.F., "Amplification, Mutation and Selection of Catalytic RNA," <i>Gene</i> , 82: 83-87 (1989).
	C16	Kenney, M., et al., "Mutation Typing Using Electrophoresis and Gel-Immobilized Acrydite Probes," <i>BioTechniques</i> , 25 (3): 516-521 (1998).
	C17	Klug, S.J. and Famulok, M., "All you wanted to know about SELEX," <i>Mol. Biol. Reports</i> , 20: 97-107 (1994).
	C18	Leclerc, F., et al., "Athree-Dimensional Model of the Rev-Binding Element of HIV-1 Derived From Analyses of Aptamers," <i>Structural Biology</i> , 1 (5):293-300 (1994).
B2f	C19	Lorsch, J.R., and Szostak, J.W., "In Vitro Selection of RNA Aptamers Specific for Cyanocobalamin," <i>Biochemistry</i> , 33:973-982 (1994).
EXAMINER B.L. Lison		DATE CONSIDERED 11-16-2003

FORM PTO - 1449		ATTORNEY DOCKET NO.: EXT-070C1
INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Weir et al.
		SERIAL NO.: Continuation of 09/513,381
		FILING DATE: December 6, 2001 GROUP: <sup>1434</sup> Not yet Assigned
Q28	C20	Moody, H.M., et al., "Regiospecific inhibition of DNA duplication by antisense phosphate-methylated oligodeoxynucleotides," <i>Nucleic Acids Research</i> , 17 (12) : 4769-4782 (1989).
	C21	Muscate, A., et al., "Capillary Affinity Gel Electrophoresis for Combined Siz-and Sequence-Dependent Separation of Oligonucleotides," <i>Anal. Chem.</i> , 70:1419-1424 (1998).
	C22	Nielsen, P.E., et al., "Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide," <i>Science</i> , 254: 1497-1500 (1991).
	C23	Olejnik, J., et al., "Photocleavable aminotag phosphoramidites for 5'-termini DNA/RNA labeling," <i>Nucleic Acids Research</i> 26 (15) :3572-3576 (1998).
	C24	Ozaki, Y, et al., "Affinity capillary electrophoresis using DNA conjugates," <i>Nucleic Acids Symposium Series No. 37</i> :235-236 (1997).
	C25	Paus, R., et al., "nerve Growth Factor Modulates Keratinocyte Proliferation in Murine Skin Organ Culture," <i>British J. of Dermatology</i> , 130: 174-180 (1994).
	C26	Quesada, M.A., "Replaceable polymers in DNA sequencing by capillary electrophoresis," <i>Current Opinions in Biotechnology</i> , 8:82-93 (1997).
	C27	Rehman, F.N., et al. "Immobilization of acrylamide-modified oligonucleotides by co-polymerization," <i>Nucleic Acids Research</i> , 27: (2) 649-655 (1999).
	C28	Reinhartz, A., et al., "A Novel Rapid Hybridization Technique: Paper Chromatography Hybridization Assay (PACHA)," <i>Gene</i> , 07525: 221-226 (1993).
	C29	Sassanfar, M. and Szostak, J.W., "An RNA motif that binds ATP," <i>Nature</i> , 364:550-553 (1993).
	C30	Smith III, N.L. and Lenhoff, H.M., "covalent Binding of proteins and Glucose-6-Phosphate Dehydrogenase to Cellulosic Carriers Activated with s-Triazine Trichloride," <i>Anal. Biochem.</i> , 61:392-415 (1974).
	C31	Smithies, O., "An Improved Procedure for Starch-gel Electrophoresis: further Variations in the Serum Proteins of normal Individuals," <i>Biochem. J.</i> , 71 (3): 585-587 (1959).
	C32	Timofeev, EnN., et al., "Regioselective Immobilization of Short Oligonucleotides to Acrylic Copolymer Gels," <i>Nucleic Acids Research</i> , 24 (16): 3142-3148 91996).
	C33	Tsurui, H., et al., "A rapid and efficient cloning method with a solid-phase DNA probe: application for cloning the 5' flanking region of the gene encoding human fibronectin," <i>Gene</i> , 03452: 233-239 (1990).
	C34	Tuerk, C. and Gold, L., "Systematic Evolution of Ligands by Exponential Enrichment: RNA Ligands to bacteriophage T4 DNA Polymerase," <i>Science</i> , 249: 505-510 (1990).
	C35	Van Ness, J., et al., "A versatile solid support system for oligodeoxynucleotide probe-based hybridization assays," <i>Nucleic Acids Research</i> , 19(12) :3345-3350 (1991).
Q28	C36	Wagner, R.W., "Gener inhibition using antisense oligodeoxynucleotides," <i>Nature</i> , 372: 333-335 (1994).
EXAMINER <i>B. J. Lison</i>		DATE CONSIDERED <i>11-16-2003</i>

FORM PTO - 1449		ATTORNEY DOCKET NO.: EXT-070C1
INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Weir et al.
		SERIAL NO.: Continuation of 09/513,381
		FILING DATE: December 6, 2001 GROUP: <sup>1634</sup> Not yet Assigned
Q24	C37	Wetmur, J., "DNA Probes: Applications of the Principles of Nucleic Acid Hybridization," <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 26 (3/4): 227-259 (1991).
	C38	Wetmur, J.G., "Acceleration of DNA Renaturation Rates," <i>Biopolymers</i> , 14:2517-2524 (1975).
1	C39	Wieder, R. and Wetmur, J.G., "One Hundred-Fold Acceleration of DNA Renaturation Rates in Solution," <i>Biopolymers</i> , 20: 1537-1547 (1981).
Q28	C40	Yokota, H. and Oishi, M., "Differential cloning of genomic DNA: Cloning of DNA with an altered primary structure by in-gel competitive reassociation," <i>Proc. Natl. Acad. Sci. USA</i> 87:6398-6402 (1990).
EXAMINER <i>B. L. Lison</i>		DATE CONSIDERED <i>11-16-2003</i>